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(54) **Inertia torque compensation control for a vehicle fitted with an infinitely variable transmission**

(57) An IVT controller (14) determines whether the operation mode of an infinitely variable transmission (IVT) 10 is a power recirculation mode or a CVT direct mode, and selects an inertia torque computing equation corresponding to the operation mode. The inertia torque

accompanying a speed change of the IVT 10 is computed using the computing equation. An engine controller (15) adjusts the opening of an electronic control throttle (18), and adjusts the torque of the engine (1) so that the computed inertia torque is eliminated.

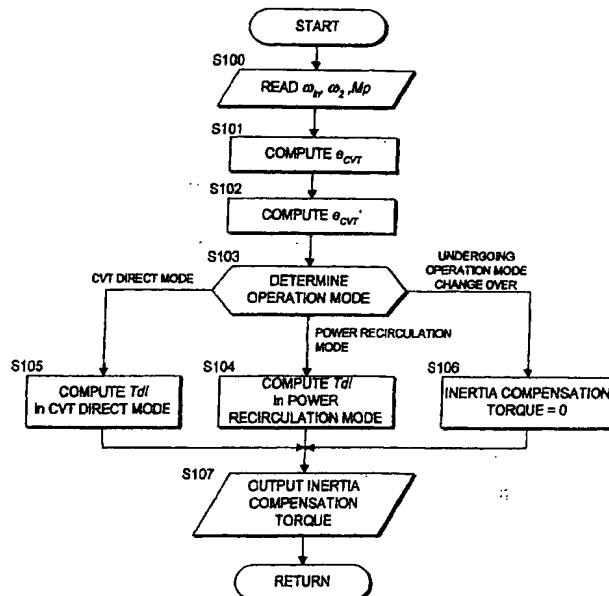


FIG. 4



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	US 4 297 918 A (PERRY FORBES G DEB) 3 November 1981 (1981-11-03) * abstract; figure 1 *	1	B60K41/14 F16H37/08
A	US 6 027 425 A (YAMAMOTO KAZUHISA ET AL) 22 February 2000 (2000-02-22) * abstract; figures 1-3 *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B60K F16H
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search		Examiner
BERLIN	4 March 2002		Kyriakides, L
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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04-03-2002

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82